

Listing of Claims:

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application (material to be inserted in amended claims is in **bold and underline**, and material to be deleted is in ~~[brackets and strikeout]~~).

1-42. (Canceled)

¹
~~43.~~ (Previously Presented)

A method for controlling an engine having an intake manifold and an outlet control device coupled to the manifold for controlling flow exiting the manifold and entering at least one cylinder of the engine, the engine further having an inlet control device for controlling flow entering the manifold, the outlet control device being at least one of the intake or exhaust valves of the cylinder, the method comprising:

determining a desired engine output;

calculating a desired cylinder ^{charge} ~~charge~~ based on said desired engine output;

adjusting valve lift or valve timing of the outlet control device to provide said desired cylinder charge; and

adjusting the inlet control device based on an engine operating parameter.

²
~~44.~~

(Previously Presented)

A method for controlling an engine having an intake manifold and an outlet control device coupled to the manifold for controlling flow exiting the manifold and entering at least one cylinder of the engine, the engine further having an inlet control device for controlling flow entering the manifold, the outlet

control device being at least one of the intake or exhaust valves of the cylinder, the method comprising:

determining a desired engine output based on a desired engine speed and an actual engine speed;

calculating a desired cylinder charge based on said desired engine output;

adjusting valve lift or valve timing of the outlet control device to provide said desired cylinder charge; and

adjusting the inlet control device based on an engine operating parameter.

45-62. (Canceled)

³
63. (New) A system for controlling an engine having an intake manifold and an outlet control device coupled to the manifold for controlling flow exiting the manifold and entering at least one cylinder of the engine, the engine further having an inlet control device for controlling flow entering the manifold, the outlet control device being at least one of the intake or exhaust valves of the cylinder, the system comprising:

means for determining a desired engine output;

means for calculating a desired cylinder charge based on said desired engine output;

means for adjusting valve lift or valve timing of the outlet control device to provide said desired cylinder charge; and

means for adjusting the inlet control device based on an engine operating parameter.

⁴
64. (New) A system for controlling an engine having an intake manifold and an outlet control device coupled to the manifold for controlling flow exiting the manifold

and entering at least one cylinder of the engine, the engine further having an inlet control device for controlling flow entering the manifold, the outlet control device being at least one of the intake or exhaust valves of the cylinder, the system comprising:

means for determining a desired engine output based on a desired engine speed and an actual engine speed;

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means for calculating a desired cylinder charge based on said desired engine output;

means for adjusting valve lift or valve timing of the outlet control device to provide said desired cylinder charge; and

where the inlet control device is adjusted based on an engine operating parameter.
